## WHAT IS CLAIMED IS:

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An imaging apparatus comprising:

imaging means;

encoding means for encoding a moving picture

5 signal, which has been output by said imaging means,
using intraframe encoding and interframe encoding, and
generating an encoded image signal comprising a
plurality of picture groups each comprising n (where n
represents an integer equal to or greater than 2)

10 frames of an image signal including intraframe-encoded
pictures obtained by the intraframe encoding and
interframe-encoded pictures obtained by the interframe
encoding;

recording means for recording the encoded image

15 signal, which has been generated by said encoding

means, on a recording medium; and

control means for controlling said recording means in accordance with a command to start recording of the moving picture signal so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the moving picture signal that has been output from said imaging means.

The apparatus according to claim 1, wherein said
 recording means has a memory for storing the
 equivalent of one picture group of the moving picture
 signal generated by said encoding means.

- 3. The apparatus according to claim 1, wherein said control means further controls said recording means so as to record identification information, which indicates the frame corresponding to the record-start command, in the picture group at the portion thereof where recording starts.
- 4. The apparatus according to claim 1, further comprising transmitting means for transmitting the encoded image signal, which has been generated by said encoding means, to an external device while the signal is in the encoded state.
- 5. An imaging apparatus comprising:

imaging means;

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encoding means for encoding a moving picture

signal, which has been output by said imaging means,
using intraframe encoding and interframe encoding, and
generating an encoded image signal comprising a
plurality of picture groups each comprising n (where n
represents an integer equal to or greater than 2)

frames of an image signal including intraframe-encoded
pictures obtained by the intraframe encoding and
interframe-encoded pictures obtained by the interframe
encoding:

recording means for recording the encoded image
25 signal, which has been generated by said encoding
means, on a recording medium;

transmitting means for transmitting the encoded

image signal, which has been generated by said encoding means, to an external device while the signal is in the encoded state; and

means, in accordance with a command to start recording of the moving picture signal during transmission of the encoded image signal by said transmitting means, so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the moving picture signal that has been output from said imaging means.

6. The apparatus according to claim 5, wherein said control means controls said encoding means and said recording means in such a manner that even if the

- frame corresponding to the record-start command is an interframe-encoded picture, recording by said recording means will be started without this frame being encoded as an intraframe-encoded picture.
  - 7. An imaging apparatus comprising:
- 20 imaging means;

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encoding means for encoding a moving picture signal, which has been output by said imaging means, using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded

pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

recording means for recording the encoded image signal, which has been generated by said encoding means, on a recording medium; and

control means for controlling said recording means in accordance with a command to start recording of the moving picture signal so as to start recording from a picture group that follows a picture group that contains a frame, which corresponds to the recordstart command, in the moving picture signal that has been output from said imaging means.

- 8. An imaging apparatus comprising:
- 15 imaging means;

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encoding means for encoding a moving picture signal, which has been output by said imaging means, using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

recording means for recording the encoded image signal, which has been generated by said encoding

means, on a recording medium;

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transmitting means for transmitting the encoded image signal, which has been generated by said encoding means, to an external device while the signal is in the encoded state; and

control means for controlling said recording means, in accordance with a command to start recording of the moving picture signal during transmission of the encoded image signal by said transmitting means,

- so as to start recording from a picture group that follows a picture group that contains a frame, which corresponds to the record-start command, in the moving picture signal that has been output from said imaging means.
- 9. The apparatus according to claim 1, wherein the leading frame of each picture group is the intraframeencoded picture.
  - 10. A recording apparatus comprising:

input means for inputting a moving picture
20 signal;

encoding means for encoding the moving picture signal, which has been input by said input means, using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a

25 plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2)
frames of an image signal including intraframe-encoded

pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

recording means for recording the encoded image signal, which has been generated by said encoding means, on a recording medium; and

control means for controlling said recording
means in accordance with a command to start recording
of the moving picture signal so as to start recording
from the leading end of a picture group that contains
a frame, which corresponds to the record-start command,
in the moving picture signal that has been output from
said input means.

11. A recording apparatus comprising:

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input means for inputting a moving picture signal;

encoding means for encoding the moving picture signal, which has been input by said input means, using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding:

recording means for recording the encoded image

signal, which has been generated by said encoding means, on a recording medium;

transmitting means for transmitting the encoded image signal, which has been generated by said encoding means, to an external device while the signal is in the encoded state; and

means, in accordance with a command to start recording of the moving picture signal during transmission of the encoded image signal by said transmitting means, so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the moving picture signal that has been output from said imaging means.

15 12. A recording method comprising:

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an input step of inputting a moving picture signal;

an encoding step of encoding the input moving picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image

signal on a recording medium; and

a control step of controlling said recording step in accordance with a command to start recording of the moving picture signal so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the input moving picture signal.

13. A recording method comprising:

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an input step of inputting a moving picture 10 signal;

an encoding step of encoding the input moving picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image signal on a recording medium;

a transmitting step of transmitting the encoded image signal to an external device while the signal is in the encoded state; and

a control step of controlling said recording step, in accordance with a command to start recording of the moving picture signal during transmission of the

encoded image signal by said transmitting step, so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the input moving picture signal.

14. A recording method comprising:

an input step of inputting a moving picture
signal;

an encoding step of encoding the input moving

10 picture signal using intraframe encoding and

interframe encoding, and generating an encoded image

signal comprising a plurality of picture groups each

comprising n (where n represents an integer equal to

or greater than 2) frames of an image signal including

15 intraframe-encoded pictures obtained by the intraframe

encoding and interframe-encoded pictures obtained by

the interframe encoding;

a recording step of recording the encoded image signal on a recording medium; and

a control step of controlling said recording step, in accordance with a command to start recording of the moving picture signal, so as to start recording from a picture group that follows a picture group that contains a frame, which corresponds to the recordstart command, in the input moving picture signal.

15. A recording method comprising:

an input step of inputting a moving picture

signal;

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an encoding step of encoding the input moving picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image signal on a recording medium;

a transmitting step of transmitting the encoded image signal to an external device while the signal is in the encoded state; and

a control step of controlling said recording step, in accordance with a command to start recording of the moving picture signal during transmission of the encoded image signal by said transmitting step, so as to start recording from a picture group that follows a picture group that contains a frame, which corresponds to the record-start command, in the input moving picture signal.

16. A computer-readable medium storing program code25 for causing a computer to execute the following steps:

an input step of inputting a moving picture signal;

an encoding step of encoding the input moving picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image signal on a recording medium; and

a control step of controlling said recording step in accordance with a command to start recording of the moving picture signal so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the input moving picture signal.

17. A computer-readable medium storing program code for causing a computer to execute the following steps:

an input step of inputting a moving picture signal;

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an encoding step of encoding the input moving picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including

intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image signal on a recording medium;

a transmitting step of transmitting the encoded image signal to an external device while the signal is in the encoded state; and

in accordance with a command to start recording of the moving picture signal during transmission of the encoded image signal by said transmitting step, so as to start recording from the leading end of a picture group that contains a frame, which corresponds to the record-start command, in the input moving picture signal.

18. A computer-readable medium storing program code for causing a computer to execute the following steps:

an input step of inputting a moving picture 20 signal;

an encoding step of encoding the input moving picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe

encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image signal on a recording medium; and

- a control step of controlling said recording step, in accordance with a command to start recording of the moving picture signal, so as to start recording from a picture group that follows a picture group that contains a frame, which corresponds to the recordstart command, in the input moving picture signal.
  - 19. A computer-readable medium storing program code for causing a computer to execute the following steps:

an input step of inputting a moving picture
signal;

picture signal using intraframe encoding and interframe encoding, and generating an encoded image signal comprising a plurality of picture groups each comprising n (where n represents an integer equal to or greater than 2) frames of an image signal including intraframe-encoded pictures obtained by the intraframe encoding and interframe-encoded pictures obtained by the interframe encoding;

a recording step of recording the encoded image 25 signal on a recording medium;

a transmitting step of transmitting the encoded image signal to an external device while the signal is

in the encoded state; and

a control step of controlling said recording step, in accordance with a command to start recording of the moving picture signal during transmission of the encoded image signal by said transmitting step, so as to start recording from a picture group that follows a picture group that contains a frame, which corresponds to the record-start command, in the input moving picture signal.

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